

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

- Sub B1
- Q1
1. (Original) A conductive member, comprising a conductor having a pair of opposed parallel surfaces and a convex surface connecting respective first ends of the pair of opposed parallel surfaces to one another.
  2. (Original) The member of claim 1, further comprising an opening formed within the conductor in a direction substantially parallel to that of the opposed parallel surfaces, wherein the opening is adapted to maintain an insulated wire or cable in a straight orientation within the conductive member when the wire or cable is arranged within the opening.
  3. (Original) The member of claim 2, wherein the opening is formed within a portion of the conductor bounded by the convex surface, and wherein a shape of the convex surface follows a shape of a portion of the opening.
  4. (Original) The member of claim 2, wherein the opening is adapted to maintain, throughout the length of the conductor, an inner conductor of the insulated wire or cable within about one millimeter of a fixed lateral position within the opening.
  5. (Original) The member of claim 4, wherein the opening is adapted to maintain the inner conductor within about 0.25 millimeters of the fixed lateral position.
  6. (Original) The member of claim 1, wherein each of the opposed parallel surfaces extends along the length of the conductor, and has sufficient width, along a direction perpendicular to the length of the conductor, to provide a flat mounting surface for a radiating element of a log-periodic dipole array antenna.
  7. (Original) The member of claim 1, further comprising a set of holes within the conductor, wherein each hole is formed through one of the opposed parallel surfaces and directed substantially perpendicular to the opposed parallel surfaces.

8. (Original) The member of claim 7, wherein each of the holes extends entirely across the conductor, beginning at one of the opposed parallel surfaces and ending at the other of the opposed parallel surfaces.

131 9. (Original) The member of claim 7, wherein the holes are spaced apart along the length of the conductor with a logarithmically increasing spacing between them, and are thereby adapted for attachment of radiating elements of a log-periodic dipole array antenna.

10. (Original) The member of claim 1, further comprising a concave surface arranged opposite the convex surface of the conductor, wherein the concave surface connects respective other ends of the pair of opposed parallel surfaces.

11. (Original) The member of claim 2, wherein the conductor comprises first and second portions joined together, and wherein each of the first and second portions includes a part of the opening.

12. (Original) A conductive member, comprising:

GI ent. a monolithic conductor having a pair of opposed parallel surfaces; and

a cable guide arranged inside the conductor and oriented in a direction substantially parallel to that of the opposed parallel surfaces, wherein the guide is adapted to maintain an insulated wire or cable in a straight orientation within the conductive member when the wire or cable is arranged within the guide.

13. (Original) The member of claim 12, wherein the guide is adapted to maintain, throughout the length of the conductor, an inner conductor of the insulated wire or cable within about one millimeter of a fixed lateral position within the guide.

14. (Original) The member of claim 13, wherein the guide is adapted to maintain the inner conductor within about 0.25 millimeters of the fixed lateral position.

15. (Original) The member of claim 12, wherein the conductor comprises a first conductive tube.

16. (Original) The member of claim 15, wherein the first conductive tube has a rectangular cross-section.

17. (Original) The member of claim 16, wherein the cable guide comprises a second tube attached to an inner wall of the first tube.

18. (Original) The member of claim 12, wherein the conductor comprises a conductive bar, and the cable guide comprises an opening formed within the bar.

19. (Original) The member of claim 18, wherein said conductive bar further comprises a convex surface connecting respective first ends of the opposed parallel surfaces to one another.

20. (Original) The member of claim 19, wherein the opening is proximal to the convex surface, and wherein a shape of the convex surface follows a shape of a portion of the opening.

21. (Original) The member of claim 19, wherein the conductive bar further comprises a concave surface arranged opposite the convex surface of the bar, wherein the concave surface connects respective other ends of the pair of opposed parallel surfaces.

22. - 50. (Canceled) ✓